

23 February 1960

MEMORANDUM FOR: Director, Photographic Intelligence Center

SUBJECT: Camera Development for Accurate Measurements on Ground  
Photos

REFERENCE: Employee Suggestion Form Submitted by [redacted]  
dated 19 February 1960.

25X1

1. The problem as posed by [redacted] seems to be a field which has been overlooked in the past, i.e., that the relationship of critical focus plane within the hyperfocal distance and the change in focal length. This focal length adjustment can be calibrated in terms of feet from the camera and recorded on the film.

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2. The system could be worked out with a catadioptric lens system such as the Questar using a smooth lever movement for adjusting the focal length. A mechanical linkage then could be used to translate the change in focal length in the film plane. This principle would eliminate the necessity of the operator recording the distance to the target. All that would be required would be that the target appear in focus at the time of exposure.

3. It is suggested that this suggestion form be classified at least SECRET and that this principle be looked into carefully, probably by TSS as it would have more application in less clandestine ground collection than anywhere else.

/S/

[redacted]

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Attachment:  
Suggestion Form

Distribution:  
0 - Addressee  
1 - D/PIC subject file  
1 - D/PIC chrono  
1 - C/MSD/PIC

[redacted] (19 Feb 60)

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SECRET